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Docket No.: 3449-0454PUS1

Application No. 10/527,755
Amendment dated April 28, 2008
After Final Office Action of January 28, 2008

AMENDMENTS TO THE CLAIMS

1-30. (Cancelled)

31. (Currently Amended) A vibration device comprising:
upper and lower cases combined with each other to form a case;
a magnetic force generating unit provided on at least one surface of the upper and lower cases;
at least one magnet disposed to be opposite to the magnetic force generating unit;
a weight combined with the at least one magnet; and
at least one elastic unit configured to support the weight elastically,
wherein the upper case includes an upper surface and a side surface extended from the upper surface to the lower case, and

wherein the at least one elastic unit is directly ~~fixed~~ contacted and supported with the upper surface of the upper case.

32. (Previously Presented) The vibration device according to claim 31, wherein the at least one elastic unit is contacted and supported with the lower case.

33. (Currently Amended) The vibration device according to claim 31, wherein the at least one elastic unit is directly contacted and supported with the inner surface of the upper surface facing the lower case~~the upper case.~~

34. (Previously Presented) The vibration device according to claim 31, further comprising a fixing member configured to fix ends of the at least one elastic unit.

35. (Previously Presented) The vibration device according to claim 31, wherein the at least one elastic unit includes a strip of a closed-curve shape and a plurality of support legs extended from the strip, and

wherein the support legs form a downwardly turning curve in an axial direction of the

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strip.

36. (Previously Presented) The vibration device according to claim 35, wherein the strip has a polygonal or circular shape.

37. (Previously Presented) The vibration device according to claim 31, wherein the at least one elastic unit is a coil spring of a circular or polygonal conical shape.

38. (Previously Presented) The vibration device according to claim 31, wherein the magnet is formed on only one surface of the weight opposite to the magnetic force generating unit.

39. (Previously Presented) The vibration device according to claim 31, wherein the magnetic force generating unit is a coil.

40. (Previously Presented) The vibration device according to claim 31, wherein the at least one elastic unit includes at least two elastic units, and

wherein elastic unit insert grooves are formed on the upper and lower surfaces of the weight so that the at least two elastic units are inserted and fixed therein respectively.

41. (Previously Presented) The vibration device according to claim 34, wherein the fixing member includes protrusions at upper and lower ends to be contacted with the upper and lower cases and a recess depressed at a center thereof, and

wherein fixing grooves are formed in ends of the protrusions respectively so as to fix ends of the at least two elastic units.

42. (Previously Presented) The vibration device according to claim 31, wherein the at least one magnet includes at least two magnets formed on both upper and lower surfaces of the weight so as to be opposite to the magnetic force generating unit formed on the one surface of

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each of the upper and lower cases.

43. (Currently Amended) A vibration device comprising:

a casing body including an upper surface, a lower surface and a side surface extended from the upper surface to the lower surface;

a weight including at least one magnet disposed in the casing body;

at least one elastic unit configured to support the weight elastically and contacted with the upper surface of the casing body; and

a magnetic force generating unit configured to generate a magnetic force to vibrate the weight in the casing body,

wherein a distance between a side surface of the weight and a side surface of the casing body is smaller than a distance between an upper surface of the weight and the upper surface of the casing body.

44. (Previously Presented) The vibration device according to claim 43, wherein the at least one elastic unit is directly contacted with the lower surface of the casing body.

45. (Previously Presented) The vibration device according to claim 43, wherein the at least one elastic unit is directly contacted with the upper surface of the casing body.

46. (Previously Presented) The vibration device according to claim 43, wherein the at least one elastic unit includes a strip of a closed-curve shape and a plurality of support legs extended from the strip, the strip being connected to the weight and the plurality of support legs being connected to the casing body such that the weight is suspended in the casing body.

47. (Previously Presented) The vibration device according to claim 43, further comprising a fixing member attached to the casing body and configured to support the at least one elastic unit.

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48. (Previously Presented) The vibration device according to claim 47, wherein the fixing member is directly contacted with the upper surface, the lower surface and the side surface of the casing body.

49. (Previously Presented) The vibration device according to claim 47, wherein the fixing member includes a recess depressed at a center thereof,

wherein the recess is formed to ensure a space sufficient for a weight extension to be capable of moving vertically, and

wherein the weight extension extends a predetermined length from the elastic insert grooves to an inner side of the recess without contacting the recess.

50. (Previously Presented) The vibration device according to claim 43, wherein the strip has a polygonal or circular shape.

51. (Previously Presented) The vibration device according to claim 43, wherein the at least one elastic unit is a coil spring of a circular or polygonal conical shape.

52. (Previously Presented) The vibration device according to claim 43, wherein the magnet is formed on only one surface of the weight opposite to the magnetic force generating unit.

53. (Previously Presented) The vibration device according to claim 43, wherein the magnetic force generating unit is a coil.

54. (Previously Presented) The vibration device according to claim 43, wherein the at least one elastic unit includes at least two elastic units, and

wherein elastic unit insert grooves are formed on the upper and lower surfaces of the weight so that the at least two elastic units are inserted and fixed therein respectively.

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55. (Currently Amended) A vibration device comprising:
a casing body including an upper surface, a lower surface and a side surface;
a weight including at least one magnet disposed in the casing body;
an elastic unit configured to support the weight elastically and directly ~~fixed~~ contacted
with the casing body and the weight at a direct fixing portion of the elastic unit; and
a magnetic force generating unit configured to generate a magnetic force to vibrate the
weight in the casing body,

~~wherein the magnetic force generating unit, the direct fixing portion of the elastic unit
and the casing body are formed on a same horizontal plane~~ a first surface of the elastic unit facing
the lower surface of the casing body is directly contacted with the upper surface of the weight
and a second surface of the elastic unit facing the upper surface of the casing body is directly
contacted with the upper surface of the casing body.

56. (Previously Presented) The vibration device according to claim 55, wherein the
magnetic force generating unit is formed on the lower surface of the casing body.

57. (Previously Presented) The vibration device according to claim 55, wherein the
elastic unit is contacted and supported with the lower surface of the casing body.

58. (Previously Presented) The vibration device according to claim 55, wherein the
magnet and the contact portion of the elastic unit and the weight are formed on a same horizontal
plane.

59. (Canceled).

60. (Canceled).

61. (New) A vibration device comprising:
upper and lower cases combined with each other to form a case;

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a magnetic force generating unit provided on a surface of the lower case;
a magnet disposed to be opposite to the magnetic force generating unit;
a weight combined with the magnet; and
an elastic unit configured to support the weight elastically,
wherein the elastic unit is directly contacted and supported with the upper case, the upper case having a uniform thickness.

62. (New) The vibration device according to claim 61, wherein the upper case includes an upper surface and a side surface extended from the upper surface to the lower case.

63. (New) The vibration device according to claim 62, wherein the elastic unit is directly contacted and supported with the upper surface of the upper case.

64. (New) The vibration device according to claim 62, wherein the side surface has a uniform thickness.

65. (New) A vibration device comprising:
a casing body including an upper surface, a lower surface and a side surface;
a weight including a magnet disposed in the casing body;
an elastic unit configured to support the weight elastically and contacted with a contact portion of the upper surface of the casing body; and
a magnetic force generating unit configured to generate a magnetic force to vibrate the weight in the casing body,
wherein a distance between the center of the weight and the side surface of the weight is larger than a distance between the center of the weight and a nearest portion to the center of the weight of the contact portion.

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66. (New) A vibration device comprising:
a casing body including an upper case and lower case;
a magnetic force generating unit provided on a surface of the lower case;
a magnet disposed to be opposite to the magnetic force generating unit;
a weight combined with the magnet; and
an elastic unit configured to support the weight elastically and contacted with a contact portion of the upper case,
wherein a portion of the upper case, a portion of the contact portion, a portion of the weight and a portion of the lower case are arranged on a same vertical plane.

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